Second & part Bill

SC/QC/AMG/2022-23/P6-P2/C1 Date: 10-11-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.75 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Byandahalli Colony,From Laxmivenkateshwara House Road LHS

Asst. Executive Engineer
Project Division
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/PCC1 **Date: 10-11-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.15**	0 -20	30- 70
10mm	**29.55**	0 -5	10- 35
4.75mm	**3.90**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.20**	60-95	75-100	85-100	
01.18	**71.90**	30-70	55-90	75-100	
600.mic	**44.65**	15-34	35-59	60-79	
300.mic	**24.30**	5-20	8-30	12-40	
150.mic	**5.60**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Byandahalli Colony,From Laxmivenkateshwara House Road LHS

Asst. Executive Engineer
Project Division
Yelahanka Zone, 92
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/PCC2 **Date: 15-11-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**67.50**	0 -20	30- 70
10mm	**28.15**	0 -5	10- 35
4.75mm	**4.05**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.20**	60-95	75-100	85-100	
01.18	**70.85**	30-70	55-90	75-100	
600.mic	**46.55**	15-34	35-59	60-79	
300.mic	**23.15**	5-20	8-30	12-40	
150.mic	**6.20**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Beside MV Men Wear Road RHS

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CE1 Date: 21-11-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**165 min**	Shall not be less than 30 min
2	Final setting time	**270 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.98 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.24 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.55 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Udhandaiah House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/FA1 **Date: 21-11-2022**

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**95.20**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.70**	60-95	75-100	85-100	
01.18	**71.25**	30-70	55-90	75-100	
600. mic	**48.00**	15.34	35-59	60-79	
300.mic	**24.60**	5-20	8-30	12-40	
150.mic	**5.30**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**19.86 %**	-----
2	Silt Content	----	**0.42 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.

Udhandaiah House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CA1 **Date: 21-11-2022**

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**97.30**	85-100	90 - 100
10 mm	**45.10**	0 - 20	25 - 55
4.75 mm	**3.85**	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	**14.16 %**	Not to exceed 25 %
2.	Crushing value	**28.09 %**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.

Udhandaiah House Road

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/S1 **Date: 22-11-2022**

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 and 12 mm **TMT Steel.**

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.623**	0.567	**0.893**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**558.0**	500.0	**552.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**19.80**	12.00	**20.40**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**646.0**	545.0	**642.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.

Udhandaiah House Road LHS

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CB1 **Date: 02-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-11-22	2-12-22	07	22500	320	14.22	**14.44**
	002	"	"	"	"	335	14.89	
	003	"	"	"	"	320	14.22	

The result of the materials tested meets the standards and hence can be used for the work.

Vivekananda Nagar, Krishnamurthy House Road LHS Raft

Asst. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CB1A **Date: 23-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-11-22	23-12-22	28	22500	490	21.78	**21.48**
	002	"	"	"	"	480	21.33	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Vivekananda Nagar, Krishnamurthy House Road LHS Raft

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CB2 **Date: 05-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-11-22	05-12-22	07	22500	340	15.11	**14.74**
	002	"	"	"	"	325	14.44	
	003	"	"	"	"	330	14.67	

The result of the materials tested meets the standards and hence can be used for the work Beside MV Men Wear Road RHS Wall

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CB2A **Date: 26-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-11-22	26-12-22	28	22500	475	21.11	**20.96**
	002	"	"	"	"	480	21.33	
	003	"	"	"	"	460	20.44	

The result of the materials tested meets the standards and hence can be used for the work.
Beside MV Men Wear Road RHS Wall

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CB3 **Date: 09-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-12-22	09-12-22	07	22500	335	14.89	**14.30**
	002	"	"	"	"	310	13.78	
	003	"	"	"	"	320	14.22	

The result of the materials tested meets the standards and hence can be used for the work.

Byandahalli Colony,From Laxmivenkateshwara House Road LHS Wall

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CB3A **Date: 30-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-12-22	30-12-22	28	22500	470	20.89	**20.81**
	002	"	"	"	"	455	20.22	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Byandahalli Colony,From Laxmivenkateshwara House Road LHS Wall

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CB4 **Date: 16-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	09-12-22	16-12-22	07	22500	330	14.67	**14.52**
	002	"	"	"	"	315	14.00	
	003	"	"	"	"	335	14.89	

The result of the materials tested meets the standards and hence can be used for the work.
Udhandaiah House Road LHS Raft

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CB4A **Date: 06-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	09-12-22	06-01-23	28	22500	460	20.44	**21.11**
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Udhandaiah House Road LHS Raft

Asst. Executive Engineer
Yelahanka Zone
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CB5 **Date: 19-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-12-22	19-12-22	07	22500	330	14.67	**14.81**
	002	"	"	"	"	345	15.33	
	003	"	"	"	"	325	14.44	

The result of the materials tested meets the standards and hence can be used for the work.
Behind Shiva Temple Road RHS Raft

SC/QC/AMG/2022-23/P6-P2/CB5A **Date: 09-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-12-22	09-01-23	28	22500	470	20.89	**20.59**
	002	"	"	"	"	465	20.67	
	003	"	"	"	"	455	20.22	

The result of the materials tested meets the standards and hence can be used for the work. .
Behind Shiva Temple Road RHS Raft

Asst. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CB6 **Date: 27-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-12-22	27-12-22	07	22500	330	14.67	**15.33**
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	350	15.56	

The result of the materials tested meets the standards and hence can be used for the work.
Opp to Raj Tower Control Road RHS Wall

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CB6A **Date: 17-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-12-22	17-01-23	28	22500	485	21.56	**21.19**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work
Opp to Raj Tower Control Road RHS Wall

Asst. Executive Engineer
Yelahanka Division
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CB7 **Date: 28-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	21-12-22	28-12-22	07	22500	345	15.33	**14.67**
	002	"	"	"	"	330	14.67	
	003	"	"	"	"	315	14.00	

The result of the materials tested meets the standards and hence can be used for the work.
Cross Road RHS Raft

Asst. Executive Engineer
Yelahanka Division
BBMP

SC/QC/AMG/2022-23/P6-P2/CB7A **Date: 18-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	21-12-22	18-01-23	28	22500	475	21.11	**21.04**
	002	"	"	"	"	465	20.67	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Cross Road RHS Raft

SC/QC/AMG/2022-23/P6-P2/CB8 **Date: 30-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-12-22	30-12-22	07	22500	325	14.44	**15.04**
	002	"	"	"	"	340	15.11	
	003	"	"	"	"	350	15.56	

The result of the materials tested meets the standards and hence can be used for the work.
Cross Road LHS Raft

SC/QC/AMG/2022-23/P6-P2/CB8A **Date: 20-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-12-22	20-01-23	28	22500	480	21.33	**21.41**
	002	"	"	"	"	475	21.11	
	003	"	"	"	"	490	21.78	

The result of the materials tested meets the standards and hence can be used for the work.
Cross Road LHS Raft

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/GSB1 **Date: 01-12-2022**

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

TEST RESULTS

1. **Gradation Test:**
Location: Byandhalli,Opposite Sri Shanmuga Hotel
TABLE 1.1

Sample **GSB** = Total Weight of the Sample (gm) : 1000.00					
Sieve Size, mm	**Weight Retained (gm)**	**Cumulative Weight Retained (gm)**	**Cumulative % of Retained**	**Cumulative % of Passing**	**Specified Limits as per MoRTH Specifications, V Revision-2013**
75.00	0.00	0.00	0.00	**100.00**	100
53.00	114.00	114.00	11.40	**88.60**	80-100
26.50	172.00	286.00	28.60	**71.40**	55-90
9.50	165.00	451.00	45.10	**54.90**	35-65
4.75	189.00	640.00	64.00	**36.00**	25-50
2.36	214.00	854.00	85.40	**14.60**	10-20
0.85	101.00	955.00	95.50	**4.50**	2-10
0.425	45.00	1000.00	100.00	**0.00**	0-5

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

2. Properties of Aggregates:

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.44 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.13**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.72**	----------
5.	Aggregate Impact Value, %	**28.50**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/GSB2 **Date: 08-12-2022**

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

TEST RESULTS

1. **Gradation Test:**
Location: Haleooramma temple road, Uddhandayya Layout
TABLE 1.1

Sample **GSB** = Total Weight of the Sample (gm) : 1050.00					
Sieve Size, mm	**Weight Retained (gm)**	**Cumulative Weight Retained (gm)**	**Cumulative % of Retained**	**Cumulative % of Passing**	**Specified Limits as per MoRTH Specifications, V Revision-2013**
75.00	0.00	0.00	0.00	**100.00**	100
53.00	139.00	139.00	13.24	**86.76**	80-100
26.50	164.00	303.00	28.86	**71.14**	55-90
9.50	192.00	495.00	47.14	**52.86**	35-65
4.75	203.00	698.00	66.48	**33.52**	25-50
2.36	188.00	886.00	84.38	**15.62**	10-20
0.85	132.00	1018.00	96.95	**3.05**	2-10
0.425	32.00	1050.00	100.00	**0.00**	0-5

Asst. Executive Engineer
Yelahanka Project Division
Yelahanka Zone
BBMP, Bangalore - 92

2. Properties of Aggregates:

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.42 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.15**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.74**	----------
5.	Aggregate Impact Value, %	**27.10**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work

Executive Engineer
SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/GSB3 **Date: 17-12-2022**

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

TEST RESULTS

1. **Gradation Test:**
Location: Main Road .
TABLE 1.1

Sample **GSB** = Total Weight of the Sample (gm) : 1025.00					
Sieve Size, mm	**Weight Retained (gm)**	**Cumulative Weight Retained (gm)**	**Cumulative % of Retained**	**Cumulative % of Passing**	**Specified Limits as per MoRTH Specifications, V Revision-2013**
75.00	0.00	0.00	0.00	**100.00**	100
53.00	165.00	165.00	16.10	**83.90**	80-100
26.50	147.00	312.00	30.44	**69.56**	55-90
9.50	180.00	492.00	48.00	**52.00**	35-65
4.75	174.00	666.00	64.98	**35.02**	25-50
2.36	196.00	862.00	84.10	**15.90**	10-20
0.85	141.00	1003.00	97.85	**2.15**	2-10
0.425	22.00	1025.00	100.00	**0.00**	0-5

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

2. Properties of Aggregates:

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.43 %**	Not more than 2.0 %
2.	Liquid Limit, %	**19.40**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**7.03**	----------
5.	Aggregate Impact Value, %	**28.52**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/GSB4 **Date: 27-12-2022**

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

TEST RESULTS

1. **Gradation Test:**
Location: Mookambika Layout,Manasa Gopika House Road
TABLE 1.1

Sample **GSB** = Total Weight of the Sample (gm) : 1075.00					
Sieve Size, mm	**Weight Retained (gm)**	**Cumulative Weight Retained (gm)**	**Cumulative % of Retained**	**Cumulative % of Passing**	**Specified Limits as per MoRTH Specifications, V Revision-2013**
75.00	0.00	0.00	0.00	**100.00**	100
53.00	143.00	143.00	13.30	**86.70**	80-100
26.50	206.00	349.00	32.47	**67.53**	55-90
9.50	184.00	533.00	49.58	**50.42**	35-65
4.75	201.00	734.00	68.28	**31.72**	25-50
2.36	169.00	903.00	84.00	**16.00**	10-20
0.85	114.00	1017.00	94.60	**5.40**	2-10
0.425	58.00	1075.00	100.00	**0.00**	0-5

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

SILICON CONSULTING ENGINEERS

2. Properties of Aggregates:

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.43 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.92**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**7.25**	----------
5.	Aggregate Impact Value, %	**28.96**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/GSB5 **Date: 29-12-2022**

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

TEST RESULTS

1. **Gradation Test:**
Location: Doddanna Layout RSB Sabha Bhavan Road
TABLE 1.1

Sample **GSB** = Total Weight of the Sample (gm) : 1100.00					
Sieve Size, mm	**Weight Retained (gm)**	**Cumulative Weight Retained (gm)**	**Cumulative % of Retained**	**Cumulative % of Passing**	**Specified Limits as per MoRTH Specifications, V Revision-2013**
75.00	0.00	0.00	0.00	**100.00**	100
53.00	158.00	158.00	14.36	**85.64**	80-100
26.50	179.00	337.00	30.64	**69.36**	55-90
9.50	208.00	545.00	49.55	**50.45**	35-65
4.75	236.00	781.00	71.00	**29.00**	25-50
2.36	152.00	933.00	84.82	**15.18**	10-20
0.85	121.00	1054.00	95.82	**4.18**	2-10
0.425	46.00	1100.00	100.00	**0.00**	0-5

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

2. Properties of Aggregates:

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.45 %**	Not more than 2.0 %
2.	Liquid Limit, %	**16.35**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.10**	----------
5.	Aggregate Impact Value, %	**27.16**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/C1 **Date: 03-12-2022**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**265 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.14%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.65 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Byandhalli,Opposite Sri Shanmuga Hote

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/RC1 **Date: 06-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**63.15**	0 -20	30- 70
10mm	**29.70**	0 -5	10- 35
4.75mm	**3.55**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.20**	60-95	75-100	85-100	
01.18	**71.90**	30-70	55-90	75-100	
600.mic	**43.65**	15-34	35-59	60-79	
300.mic	**24.30**	5-20	8-30	12-40	
150.mic	**5.60**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Byandhalli,Opposite Sri Shanmuga Hote

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/RC2 **Date: 08-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**66.50**	0 -20	30- 70
10mm	**29.15**	0 -5	10- 35
4.75mm	**3.95**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.15**	60-95	75-100	85-100	
01.18	**71.25**	30-70	55-90	75-100	
600.mic	**45.60**	15-34	35-59	60-79	
300.mic	**24.05**	5-20	8-30	12-40	
150.mic	**6.95**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sri Veerbhadreshwara Swamy Prasanna Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/RC3 **Date: 12-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.15**	0 -20	30- 70
10mm	**28.95**	0 -5	10- 35
4.75mm	**3.65**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**97.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.20**	60-95	75-100	85-100	
01.18	**73.90**	30-70	55-90	75-100	
600.mic	**44.35**	15-34	35-59	60-79	
300.mic	**25.15**	5-20	8-30	12-40	
150.mic	**6.85**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/RC4 **Date: 13-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**65.70**	0 -20	30- 70
10mm	**30.25**	0 -5	10- 35
4.75mm	**4.15**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.15**	60-95	75-100	85-100	
01.18	**70.30**	30-70	55-90	75-100	
600.mic	**44.65**	15-34	35-59	60-79	
300.mic	**23.05**	5-20	8-30	12-40	
150.mic	**6.10**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Bailkonenahalli,Beside Berht Robotics , Mahanteshwara Layout

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92
BBMP

SC/QC/AMG/2022-23/P6-P2/RC5 **Date: 14-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**67.20**	0 -20	30- 70
10mm	**29.55**	0 -5	10- 35
4.75mm	**3.85**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.35**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.05**	60-95	75-100	85-100	
01.18	**71.25**	30-70	55-90	75-100	
600.mic	**46.90**	15-34	35-59	60-79	
300.mic	**24.70**	5-20	8-30	12-40	
150.mic	**6.15**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Haleooramma temple road, Uddhandayya Layout

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

#S1317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR ,BANGALORE – 560 091. CELL : 9448353883
E-mail siliconcivilengineers@gmail.com

SC/QC/AMG/2022-23/P6-P2/RC6 **Date: 16-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**62.15**	0 -20	30- 70
10mm	**30.85**	0 -5	10- 35
4.75mm	**4.05**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**97.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.20**	60-95	75-100	85-100	
01.18	**74.90**	30-70	55-90	75-100	
600.mic	**42.35**	15-34	35-59	60-79	
300.mic	**25.15**	5-20	8-30	12-40	
150.mic	**6.75**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sri Haripada Nilaya Road

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92

#S1317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR ,BANGALORE – 560 091. CELL : 9448353883
E-mail siliconcivilengineers@gmail.com

SC/QC/AMG/2022-23/P6-P2/RC7 **Date: 17-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**65.70**	0 -20	30- 70
10mm	**29.40**	0 -5	10- 35
4.75mm	**3.65**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**95.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.55**	60-95	75-100	85-100	
01.18	**72.15**	30-70	55-90	75-100	
600.mic	**44.90**	15-34	35-59	60-79	
300.mic	**24.05**	5-20	8-30	12-40	
150.mic	**6.10**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Ganavi Nilaya House Road

Asst. Executive Engineer
Project Division - 92
Yelahanka, BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/RC8 **Date: 19-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.45	0 -20	30- 70
10mm	31.75	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.10	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.50	60-95	75-100	85-100	
01.18	69.95	30-70	55-90	75-100	
600.mic	42.35	15-34	35-59	60-79	
300.mic	19.20	5-20	8-30	12-40	
150.mic	6.55	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/RC9 Date: 20-12-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**66.10**	0 -20	30- 70
10mm	**30.85**	0 -5	10- 35
4.75mm	**4.05**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**97.05**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.40**	60-95	75-100	85-100	
01.18	**71.25**	30-70	55-90	75-100	
600.mic	**49.10**	15-34	35-59	60-79	
300.mic	**18.65**	5-20	8-30	12-40	
150.mic	**7.30**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Kamath Layout Main Road

Asst. Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/RC10 **Date: 23-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**62.15**	0 -20	30- 70
10mm	**30.75**	0 -5	10- 35
4.75mm	**4.15**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.55**	60-95	75-100	85-100	
01.18	**70.35**	30-70	55-90	75-100	
600.mic	**45.15**	15-34	35-59	60-79	
300.mic	**22.10**	5-20	8-30	12-40	
150.mic	**6.05**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout Main Road

SC/QC/AMG/2022-23/P6-P2/RC11 **Date: 26-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**67.15**	0 -20	30- 70
10mm	**28.45**	0 -5	10- 35
4.75mm	**3.85**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.20**	60-95	75-100	85-100	
01.18	**71.90**	30-70	55-90	75-100	
600.mic	**45.65**	15-34	35-59	60-79	
300.mic	**24.30**	5-20	8-30	12-40	
150.mic	**5.60**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Kamath Layout,11 th Cross

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/RC12 **Date: 27-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**63.50**	0 -20	30- 70
10mm	**29.75**	0 -5	10- 35
4.75mm	**4.05**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.20**	60-95	75-100	85-100	
01.18	**73.85**	30-70	55-90	75-100	
600.mic	**42.55**	15-34	35-59	60-79	
300.mic	**24.15**	5-20	8-30	12-40	
150.mic	**5.20**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Kamath Layout,11 th Cross

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/RC13 **Date: 30-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**66.15**	0 -20	30- 70
10mm	**29.55**	0 -5	10- 35
4.75mm	**3.70**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.20**	60-95	75-100	85-100	
01.18	**70.90**	30-70	55-90	75-100	
600.mic	**45.35**	15-34	35-59	60-79	
300.mic	**24.15**	5-20	8-30	12-40	
150.mic	**7.85**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout,11 th Cross

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/RC14 **Date: 31-12-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.70**	0 -20	30- 70
10mm	**29.55**	0 -5	10- 35
4.75mm	**4.10**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.15**	60-95	75-100	85-100	
01.18	**72.30**	30-70	55-90	75-100	
600.mic	**46.25**	15-34	35-59	60-79	
300.mic	**23.05**	5-20	8-30	12-40	
150.mic	**5.85**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout Smart School Backgate Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/RC15 **Date: 02-01-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.15**	0 -20	30- 70
10mm	**32.75**	0 -5	10- 35
4.75mm	**4.05**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**95.35**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.05**	60-95	75-100	85-100	
01.18	**71.60**	30-70	55-90	75-100	
600.mic	**44.90**	15-34	35-59	60-79	
300.mic	**21.70**	5-20	8-30	12-40	
150.mic	**6.15**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Asst. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/RC16 **Date: 03-01-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.15**	0 -20	30- 70
10mm	**29.85**	0 -5	10- 35
4.75mm	**3.55**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**97.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.20**	60-95	75-100	85-100	
01.18	**74.90**	30-70	55-90	75-100	
600.mic	**42.65**	15-34	35-59	60-79	
300.mic	**24.80**	5-20	8-30	12-40	
150.mic	**7.50**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Mookambika Layout, Chethan opp Hair Style Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/RC17 **Date: 05-01-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**63.70**	0 -20	30- 70
10mm	**28.55**	0 -5	10- 35
4.75mm	**3.95**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.45**	60-95	75-100	85-100	
01.18	**73.15**	30-70	55-90	75-100	
600.mic	**48.25**	15-34	35-59	60-79	
300.mic	**23.05**	5-20	8-30	12-40	
150.mic	**7.10**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Doddanna Layout RSB Sabha Bhavan Road

Asst. Executive Engineer
Project Division
Yelahanka Zone 92
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/RC18 **Date: 05-01-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**61.75**	0 -20	30- 70
10mm	**29.85**	0 -5	10- 35
4.75mm	**3.55**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**79.55**	60-95	75-100	85-100	
01.18	**73.25**	30-70	55-90	75-100	
600.mic	**46.35**	15-34	35-59	60-79	
300.mic	**21.95**	5-20	8-30	12-40	
150.mic	**6.20**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Doddanna Layout RSB Sabha Bhavan Road

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/RC19 **Date: 07-01-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**65.10**	0 -20	30- 70
10mm	**29.45**	0 -5	10- 35
4.75mm	**3.85**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.45**	60-95	75-100	85-100	
01.18	**70.85**	30-70	55-90	75-100	
600.mic	**48.15**	15-34	35-59	60-79	
300.mic	**22.90**	5-20	8-30	12-40	
150.mic	**5.30**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Mookambika Layout, Nesara Screen Printing Road

Asst. Executive Engineer
Yelahanka Division
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/RC20 **Date: 09-01-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**63.15**	0 -20	30- 70
10mm	**29.75**	0 -5	10- 35
4.75mm	**3.45**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.65**	60-95	75-100	85-100	
01.18	**71.50**	30-70	55-90	75-100	
600.mic	**43.15**	15-34	35-59	60-79	
300.mic	**24.85**	5-20	8-30	12-40	
150.mic	**6.20**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Mookambika Layout, Prakash HouseRoad

Asst. Executive Engineer
Yelahanka Division
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/RC21 **Date: 11-01-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**65.15**	0 -20	30- 70
10mm	**29.75**	0 -5	10- 35
4.75mm	**3.90**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.20**	60-95	75-100	85-100	
01.18	**71.90**	30-70	55-90	75-100	
600.mic	**44.65**	15-34	35-59	60-79	
300.mic	**25.35**	5-20	8-30	12-40	
150.mic	**5.60**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Mookambika Layout, Lakshman House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CE2 **Date: 09-12-2022**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**172 min**	Shall not be less than 30 min
2	Final setting time	**285 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.89 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.92 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.55 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sri Veerbhadreshwara Swamy Prasanna Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/FA2 **Date: 09-12-2022**

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**98.35**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.65**	60-95	75-100	85-100	
01.18	**71.85**	30-70	55-90	75-100	
600. mic	**45.15**	15.34	35-59	60-79	
300.mic	**23.50**	5-20	8-30	12-40	
150.mic	**6.35**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.65%**	-----
2	Silt Content	----	**0.58%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.

Sri Veerbhadreshwara Swamy Prasanna Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

#S1317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR ,BANGALORE – 560 091. CELL : 9448353883
E-mail siliconcivilengineers@gmail.com

SC/QC/AMG/2022-23/P6-P2/CA2 **Date: 09-12-2022**

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**98.35**	85-100	90 - 100
10 mm	**45.90**	0 - 20	25 - 55
4.75 mm	**3.70**	0 - 5	0 - 10

TABLE 1. 2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	**23.56 %**	Not to exceed 25 %
2.	Crushing value	**28.19 %**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.

Sri Veerbhadreshwara Swamy Prasanna Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

SC/QC/AMG/2022-23/P6-P2/CR1 **Date: 19-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-12-22	19-12-22	07	22500	500	22.22	**22.44**
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.

Byandhalli,Opposite Sri Shanmuga Hotel

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR1A **Date: 09-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-12-22	09-01-23	28	22500	695	30.89	**30.52**
	002	"	"	"	"	680	30.22	
	003	"	"	"	"	685	30.44	

The result of the materials tested meets the standards and hence can be used for the work.
Byandhalli,Opposite Sri Shanmuga Hotel

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CR2 **Date: 21-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	14-12-22	21-12-22	07	22500	510	22.67	**22.00**
	002	"	"	"	"	490	21.78	
	003	"	"	"	"	485	21.56	

The result of the materials tested meets the standards and hence can be used for the work.

Sri Veerbhadreshwara Swamy Prasanna Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR2A **Date: 11-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	14-12-22	11-01-23	28	22500	695	30.89	**30.81**
	002	"	"	"	"	685	30.44	
	003	"	"	"	"	700	31.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sri Veerbhadreshwara Swamy Prasanna Road

Assistant Executive Engineer
Yelahanka Project Division
BBMP, Bangalore - 93

SC/QC/AMG/2022-23/P6-P2/CR3 **Date: 23-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-12-22	23-12-22	07	22500	495	22.00	**22.37**
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Opposite Nandi Circle Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR3A **Date: 13-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-12-22	13-01-23	28	22500	700	31.11	**31.33**
	002	"	"	"	"	715	31.78	
	003	"	"	"	"	700	31.11	

The result of the materials tested meets the standards and hence can be used for the work.
Opposite Nandi Circle Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR4 **Date: 23-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-12-22	23-12-22	07	22500	485	21.56	**21.19**
	002	"	"	"	"	475	21.11	
	003	"	"	"	"	470	20.89	

The result of the materials tested meets the standards and hence can be used for the work.
Bailkonenahalli,Beside Berht Robotics , Mahanteshwara Layout

SC/QC/AMG/2022-23/P6-P2/CR4A **Date: 13-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-12-22	13-01-23	28	22500	685	30.44	**30.89**
	002	"	"	"	"	705	31.33	
	003	"	"	"	"	695	30.89	

The result of the materials tested meets the standards and hence can be used for the work.
Bailkonenahalli,Beside Berht Robotics , Mahanteshwara Layout

Asst. Executive Engineer
Yelahanka Zone
BBMP, Bangalore
92

SC/QC/AMG/2022-23/P6-P2/CR5 **Date: 26-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-12-22	26-12-22	07	22500	480	21.33	**21.04**
	002	"	"	"	"	465	20.67	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work.
Haleooramma temple road, Uddhandayya Layout

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR5A **Date: 16-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-12-22	16-01-23	28	22500	705	31.33	**30.96**
	002	"	"	"	"	690	30.67	
	003	"	"	"	"	695	30.89	

The result of the materials tested meets the standards and hence can be used for the work.
Haleooramma temple road, Uddhandayya Layout

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR6 **Date: 27-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-12-22	27-12-22	07	22500	495	22.00	**21.33**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sri Haripada Nilaya Road

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CR6A **Date: 17-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-12-22	17-01-23	28	22500	710	31.56	**31.19**
	002	"	"	"	"	695	30.89	
	003	"	"	"	"	700	31.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sri Haripada Nilaya Road

Assl. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR7 **Date: 29-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-12-22	29-12-22	07	22500	480	21.33	**21.85**
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	495	22.00	

The result of the materials tested meets the standards and hence can be used for the work.
Ganavi Nilaya House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

SC/QC/AMG/2022-23/P6-P2/CR7A **Date: 19-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-12-22	19-01-23	28	22500	720	32.00	**31.48**
	002	"	"	"	"	715	31.78	
	003	"	"	"	"	690	30.67	

The result of the materials tested meets the standards and hence can be used for the work.
Ganavi Nilaya House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CR8 **Date: 30-12-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-12-22	30-12-22	07	22500	475	21.11	**21.48**
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	490	21.78	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath layout, Main Road

Asst. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR8A **Date: 20-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-12-22	20-01-23	28	22500	700	31.11	**31.70**
	002	"	"	"	"	715	31.78	
	003	"	"	"	"	725	32.22	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath layout, Main Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

SC/QC/AMG-PYNK/2022-23/P6/K-CR9 **Date: 02-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kittanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants"}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K Venkata Raju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-12-22	02-01-23	07	22500	500	22.22	**22.07**
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	485	21.56	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath layout, Main Road

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore

SC/QC/AMG-PYNK/2022-23/P6/K-CR9A **Date: 23-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kittanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants"}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K Venkata Raju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-12-22	23-01-23	28	22500	710	31.56	**31.63**
	002	"	"	"	"	720	32.00	
	003	"	"	"	"	705	31.33	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath layout, Main Road

Assl. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CR10 **Date: 04-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-12-22	04-01-23	07	22500	495	22.00	**21.48**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	485	21.56	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath layout, Main Road

Asst. Executive Engineer
Project Division
Yelahanka zone
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CR10A **Date: 25-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-12-22	25-01-23	28	22500	705	31.33	**31.41**
	002	"	"	"	"	720	32.00	
	003	"	"	"	"	695	30.89	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath layout, Main Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR11 **Date: 06-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-12-22	06-01-23	07	22500	510	22.67	**21.70**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	485	21.56	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout,11 th Cross

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR11A **Date: 27-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-12-22	27-01-23	28	22500	695	30.89	**31.26**
	002	"	"	"	"	705	31.33	
	003	"	"	"	"	710	31.56	

The result of the materials tested meets the standards and hence can be used for the work.

Kamath Layout,11 th Cross

Asst. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR12 **Date: 06-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-12-22	06-01-23	07	22500	490	21.78	**21.85**
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout,11 th Cross

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR12A **Date: 27-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-12-22	27-01-23	28	22500	695	30.89	**31.56**
	002	"	"	"	"	710	31.56	
	003	"	"	"	"	725	32.22	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout,11 th Cross

Asst. Executive Engineer
Yelahanka Division
BBMP, Bangalore Zone
SILICON CONSULTING ENGINEERS 92

SC/QC/AMG/2022-23/P6-P2/CR13 **Date: 09-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-01-23	09-01-23	07	22500	470	20.89	**21.26**
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout, 11th Cross

Asst. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR13A **Date: 30-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-01-23	30-01-23	28	22500	690	30.67	**31.04**
	002	"	"	"	"	705	31.33	
	003	"	"	"	"	700	31.11	

The result of the materials tested meets the standards and hence can be used for the work.
Kamath Layout,11th Cross

Asst. Executive Engineer,
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR14 **Date: 10-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-01-23	10-01-23	07	22500	470	20.89	**21.11**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	485	21.56	

The result of the materials tested meets the standards and hence can be used for the work.
Smart School Backgate Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore -92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR14A **Date: 31-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-01-23	31-01-23	28	22500	675	30.00	**30.30**
	002	"	"	"	"	690	30.67	
	003	"	"	"	"	680	30.22	

The result of the materials tested meets the standards and hence can be used for the work.
Smart School Backgate Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR15 **Date: 12-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	05-01-23	12-01-23	07	22500	485	21.56	**21.19**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Manasa Gopika House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR15A **Date: 02-02-23**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	05-01-23	02-02-23	28	22500	700	31.11	**30.74**
	002	"	"	"	"	690	30.67	
	003	"	"	"	"	685	30.44	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Manasa Gopika House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR16 **Date: 13-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	06-01-23	13-01-23	07	22500	505	22.44	**21.48**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Chethan opp Hair Style Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SC/QC/AMG/2022-23/P6-P2/CR16A **Date: 03-02-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	06-01-23	03-02-23	28	22500	690	30.67	**31.19**
	002	"	"	"	"	705	31.33	
	003	"	"	"	"	710	31.56	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Chethan opp Hair Style Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR17 **Date: 13-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	06-01-23	13-01-23	07	22500	480	21.33	**21.33**
	002	"	"	"	"	490	21.78	
	003	"	"	"	"	470	20.89	

The result of the materials tested meets the standards and hence can be used for the work.
Doddanna Layout RSB Sabha Bhavan Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

#S1317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR ,BANGALORE – 560 091. CELL : 9448353883
E-mail siliconcivilengineers@gmail.com

SC/QC/AMG/2022-23/P6-P2/CR17A **Date: 03-02-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	06-01-23	03-02-23	28	22500	705	31.33	**31.41**
	002	"	"	"	"	715	31.78	
	003	"	"	"	"	700	31.11	

The result of the materials tested meets the standards and hence can be used for the work.
Doddanna Layout RSB Sabha Bhavan Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR18 **Date: 16-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	09-01-23	16-01-23	07	22500	490	21.78	**21.26**
	002	"	"	"	"	470	20.89	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work.
Doddanna Layout RSB Sabha Bhavan Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR18A **Date: 06-02-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	09-01-23	06-02-23	28	22500	725	32.22	**31.78**
	002	"	"	"	"	720	32.00	
	003	"	"	"	"	700	31.11	

The result of the materials tested meets the standards and hence can be used for the work.
Doddanna Layout RSB Sabha Bhavan Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS
Sanjay. A.S

SC/QC/AMG/2022-23/P6-P2/CR19 **Date: 18-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	11-01-23	18-01-23	07	22500	465	20.67	**21.04**
	002	"	"	"	"	475	21.11	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.

Mookambika Layout,Nesara Screen Printing Road

Asst. Executive Engineer
Project Division
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CR19A **Date: 08-02-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	11-01-23	08-02-23	28	22500	730	32.44	**32.00**
	002	"	"	"	"	725	32.22	
	003	"	"	"	"	705	31.33	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Nesara Screen Printing Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

SC/QC/AMG/2022-23/P6-P2/CR20 **Date: 19-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-01-23	19-01-23	07	22500	470	20.89	**20.89**
	002	"	"	"	"	460	20.44	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Prakash HoseRoad

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR20A **Date: 09-02-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-01-23	09-02-23	28	22500	710	31.56	**31.93**
	002	"	"	"	"	735	32.67	
	003	"	"	"	"	710	31.56	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Prakash HoseRoad

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR21 **Date: 21-01-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-01-23	21-01-23	08	22500	525	23.33	**22.96**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Lakshman House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS

SC/QC/AMG/2022-23/P6-P2/CR21A **Date: 10-02-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . K. Venkataraju.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-01-23	10-02-23	28	22500	725	32.22	**31.85**
	002	"	"	"	"	710	31.56	
	003	"	"	"	"	715	31.78	

The result of the materials tested meets the standards and hence can be used for the work.
Mookambika Layout,Lakshman House Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

SILICON CONSULTING ENGINEERS